

Supplement B to Section III

Sources and Corresponding Abatement Devices and Stacks

Refer to Supplement A to Section III for emissions information.

F-Oa-1, Ore Unloading and Transfer

No abatement devices in this area. No stacks.

F-Ob-1, Ore Transfer to Wash Plant

No abatement devices in this area. No stacks.

S-W-1, Wash Plant

Abatement devices not applicable in this area - wet process. Several steam vents to atmosphere.

S-D-1, Rock Dryer

A-D-1a	Multiple Cyclone (dry)
A-D-1b	Cyclonic Spray Tower (water)
A-D-2	Small cyclonic (water) scrubber to control fugitive dust from transfer device.
A-D-3	Small cyclonic (water) scrubber to control fugitive dust from transfer device.
P-D-1	Exhaust stack from A-D-1b
P-D-2	Vent to atmosphere from A-D-2
P-D-3	Vent to atmosphere from A-D-3

S-Cb-1, North Calciner

A-Cb-1a	Multiple Cyclone (dry)
A-Cb-1b	Multiple Cyclone (dry)
A-Cb-1c	Venturi Scrubber (water)
P-Cb-1	Exhaust stack from A-Cb-1c

S-Cb-2, North Calciner Aftercooler

A-Cb-2a	Cyclone (dry)
A-Cb-2b	Small cyclonic (water) scrubber to control fugitive dust from transfer device.
P-Cb-2	Vent to atmosphere from A-Cb-2b

S-Ca-1, #4 Calciner

A-Ca-1a	Multiple Cyclone (dry)
A-Ca-1b	Multiple Cyclone (dry)
A-Ca-1c	Venturi Scrubber (water)
P-Ca-1	Exhaust stack from A-Ca-1c

S-Ca-2, #4 Calciner Aftercooler

A-Ca-2a	Cyclone (dry)
A-Ca-2b	Venturi Scrubber (water)

F-Oc-1, #4 Calciner Feed

No abatement devices in this area. No stacks.

F-Oc-2, North Calciner Feed

No abatement devices in this area. No stacks. The North Calciner Feed system is totally housed inside a building.

F-Cc-1, Calcined Ore Transfer

A-Cc-1a	Baghouse to control fugitive dust from transfer points.
A-Cc-1b	Baghouse to control fugitive dust from transfer points.
A-Cc-1c	Baghouse to control fugitive dust from transfer points.
A-Cc-1d	Baghouse to control fugitive dust from transfer points.
A-Cc-1e	Baghouse to control fugitive dust from transfer points.
P-Cc-1a	Exhaust vent from A-Cc-1a
P-Cc-1b	Exhaust vent from A-Cc-1b
P-Cc-1c	Exhaust vent from A-Cc-1c
P-Cc-1d	Exhaust vent from A-Cc-1d
P-Cc-1e	Exhaust vent from A-Cc-1e

S-B-1 & S-B-2, Ball Mill

A-B-1a	Cyclone (dry)
A-B-1b	Multiple Cyclone (dry)
A-B-1c	Puff bag filter (exposed bags)
A-B-1d/3	Baghouse (for S/A-B-1_ system)
A-B-2a	Cyclone (dry)
A-B-2b	Multiple Cyclone (dry)
A-B-2c	Multiple Cyclone (dry)
A-B-2d/3	Baghouse (for S/A-B-2_ system)
P-B-1/3	Exhaust vent from A-B-1d/3
P-B-2/3	Exhaust vent from A-B-2d/3

S-Fa-1, S-Fa-2, & S-Fa-3, DAP Plant

A-Fa-1a	Venturi Scrubber (wet, Phosphoric Acid)
A-Fa-1b	Spray tower scrubber (water)
A-Fa-2a	Multiple Cyclone (dry)
A-Fa-2b	Venturi Scrubber (wet, Phosphoric Acid)
A-Fa-3a	Multiple Cyclone (dry)
A-Fa-3b	Venturi Scrubber (wet, Phosphoric Acid)
A-Fa-4a	Multiple Cyclone (dry)
A-Fa-4b	Venturi Scrubber (wet, Phosphoric Acid)
P-Fa-1/2/3/4	Common exhaust stack from all A-Fa-_ abatement devices

F-Fb-1 & F-Fb-2, Dry Fertilizer Loadout

No abatement devices in this area. No stacks.

S-Pb1, Super Acid Filtration

No abatement devices in this area.

P-Pb-1	Exhaust vent from fan used to convey fines away from worker area.
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S-Se-1 East Sulfuric Acid Plant

Double contact sulfuric acid process.

P-Se-1	Exhaust stack from process
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S-Nb-1, B-5 Nebraska Boiler

A-Nb-1	Low NO _x package boiler.
P-Nb-1	Exhaust stack from S-Nb-1

S-Cd-1, Ground Rock Silo

A-Cd-1a	Baghouse
A-Cd-1b	Baghouse
P-Cd-1	Common exhaust stack from A-Cd-1a and A-Cd-1b

S-Pa-1, Phosphoric Acid Plant

A-Pa-1	Cyclonic Spray Tower
P-Pa-1	Exhaust stack from A-Pa-1

S-Si-1, Experimental Silica Plant

A-Si-1a	Venturi Scrubber (wet, Phosphoric Acid)
A-Si-1b	Venturi Scrubber (water)
P-Si-1	Exhaust stack from A-Si-1a and A-Si-1b

F-R-1, Fugitive Road Dust

Pollution abatement by application of dust suppressant to unpaved road surfaces.

S-Pa-2a & S-Pa-2b, Thermal Fluid Heaters

A-Pa-2a	S-Pa-2a is equipped to control O ₂ in combustion air.
P-Pa-2a	Exhaust stack from S-Pa-2a
P-Pa-2b	Exhaust stack from S-Pa-2b

S-C-1, Coal Combustion in Calciners

Abatement devices listed above at S-Cb-1 and S-Ca-1.

F-Op-1, Fugitive Dust from Ore Piles

No abatement devices in this area. No stacks.

F-Fc-1, Dry Product Sizing and Transfer

No abatement devices in this area. No stacks.